

DoDTechipedia

Technology Awareness

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Information for the Defense Community



"We can't solve problems by using the same kind of thinking we used when we created them" Albert Einstein "There is no reason anyone would want a computer in their home." Ken Olson, President, DEC, 1977 "Everything that can be invented has been invented" Charles Duell, Commissioner US Patent Office, 1899 "I think there is a world market for maybe five computers." Thomas Watson, IBM Chairman, 1943

Bill Gates, CEO of Microsoft, 1981

"640K ought to be enough for anybody."

"If you don't know where you are going, you might end up someplace else" Yogi Berra

"These changes, among others, are ushering us toward a world where knowledge, power and productive capability will be more dispersed than at any time in our history – a world where value creation will be fast, fluid, and persistently disruptive."

Don Tapscott and Anthony Williams, Wikinomics

"When the rate of change outside your organization exceeds that within your organization, the end is near." - Jack Welch, former CEO, General Electric

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Today's Mission Requires Rapid Incorporation of Technology



"Our conventional modernization programs seek 99 percent solutions in years. Stability and counterinsurgency missions – the wars we are in – require 75 percent solutions in months."

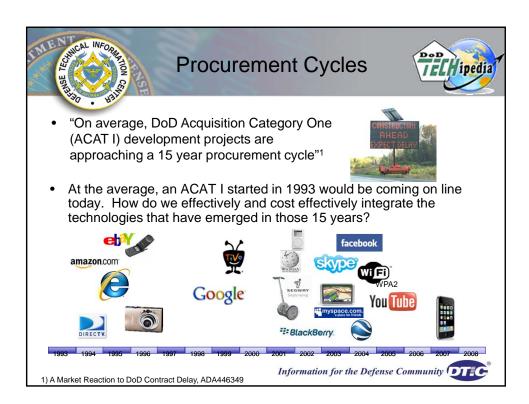
Secretary of Defense, Robert M. Gates National Defense University Delivered, September 29, 2008

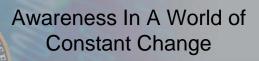
"mandatory need to share budget and program information among all stakeholders, irrespective of Service or Agency 'boundaries' or the stage of POM deliberations. The real power is to ensure we share technical information and lessons on best practices in design, testing, manufacturing, and maintenance."

> Under Secretary of Defense for AT&L, John Young AT&L Message Sept 5, 2008

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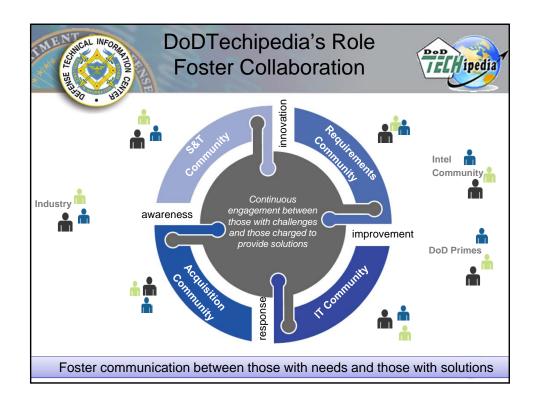


- DoD use of technology to meet current and emerging mission needs is estimated to consume 40% of the budget or about \$200B
- The FY09 Budget provides nearly\$14B in S&T funding and \$82B in R&D investments
- Predicting how an adversary might use a new technology to harm the US requires DoD familiarity and even exploitation of emerging technologies



 DoD lacks a widely accessible tool to foster collaboration between solution providers and technology consumers – the Acquisition Community must separately engage with dozens of organizations to stay abreast of DoD technology research and investments







Why a Wiki for DoD Technology Collaboration?

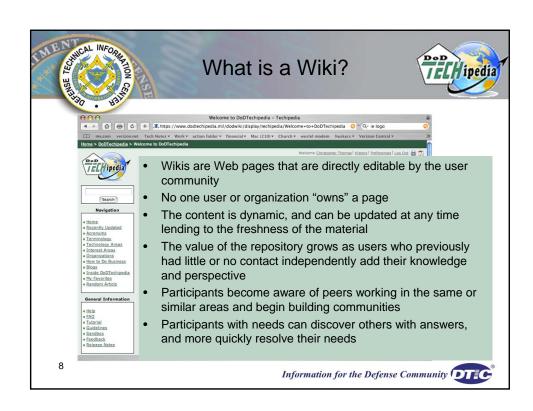


 Success of Wikipedia, Intellipedia make Wikis more familiar, especially to Generations X and Y



- Builds on how people are interacting at home, and at schools
- Increasing awareness of wiki's in the DoD S&T users community are through interaction with Intellipedia's S&T areas
- Low technical barriers to entry
 - -Browsers based no specialized tools
 - -Low bandwidth



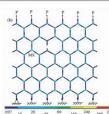


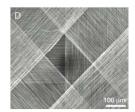


What is a Wiki?



For example a wiki area on Carbon Fiber nanotubes could be updated within minutes following an announcement on a manufacturing process that increases production rates





The community of users builds the repository and self ensures the accuracy of the material. If a post on nanotube manufacturing improvement turns out to be invalidated by new information any other participant reviewing the page could immediately comment or correct the entry

Information for the Defense Community





Who can participate in DoDTechipedia?



- DoDTechipedia opens collaboration to broad community
 - DoD Employees & Contractors (via CAC registration or DTIC Registration)
 - Federal Government Employees and Contractors who are DTIC registered users (PIV access as DoD implements)



- Federal Government Wide discussion
- No Acq Sensitive, no proprietary data

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Initial Internal Wiki Content



- Content at Launch Attempted to provide "just enough" content (24 areas at launch)
 - Stimulate interest without inhibiting discussion
 - Provide initial template to offer a guide for the type of information we are hoping the Wiki will cover
 - Support from DTIC researchers
- Growth depends on broad community participation
- DoDTechipedia team looking to aggressively market to expand awareness

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Information for the Defense Community





DoDTechipedia Information Categories



- Major Areas
 - Technology Areas (specific technologies "Potential Solutions")
 - Interest Areas (what we want addressed "Challenges")
 - Organization Pages (DoD Technology Components "Where we Work Technology in DoD")
 - Acronyms Terms of Reference (definitions of common terms and acronyms)
 - How to Do Business with DoD
 - Blogs (Personal Blog Area and Technology Area Specific)

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